



Application No. 09/825,048

Attorney Docket No.: 10003917-1

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: George J. HUDAK

Examiner: Buncha P. CHERRY

Serial No.: 09/825,048

Art Unit: 2872

Filed: April 3, 2001

For: METHOD AND APPARATUS FOR ATOMIC EMISSION  
SPECTROSCOPY

**Box Non-Fee Amendments**  
Commissioner of Patents  
Washington, D.C. 20231

RESPONSE

Sir:

Responsive to the June 19, 2003 Office Action, reconsideration of the above-identified application is respectfully requested.

REMARKS

Claims 1-20 remain pending.

A. The Office Action rejects claim 1 under 35 U.S.C. §102(b) as being anticipated by Saleh et al. The Office Action cited and provided a copy of only pages 476 and 477 of the Saleh et al., Fundamentals of Photonics reference. This rejection is respectfully traversed.

The Office Action asserts that Salah et al. discloses a resonant cavity in FIG. 13.2-8(a) in the form of a gas filled vessel and discloses a solid state power source in the form of the electrical elements between the cathode and anode (presumably still of FIG. 13.2-8(a)) which consist of a resistor and a battery. The Salah et al. reference does not disclose a "solid state power source coupled to the resonant cavity to excite resonant oscillations" as specified in claim 1. The solid state power source specified in claim 1 is an RF power source using transistors or other solid state devices to provide the RF signal power. "Generally, the

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